PROGRAMMING AND SOFTWARE DEVELOPMENT CAREER PATHWAY

Preparations that can add this Endorsement:

Preparation	Pedagogy		CTE Methods		Test		Coursework		Other
Early Childhood	X	AND	X	AND	X	OR	X	OR	X
Elementary	X	AND	X	AND	X	OR	X	OR	X
Secondary			X	AND	X	OR	X	OR	X
CTE Preparation					X	OR	X	OR	X
K-12			X	AND	X	OR	X	OR	X
Early Childhood SPED	X	AND	X	AND	X	OR	X	OR	X
K-12 SPED			X	AND	X	OR	X	OR	X

State-Designated Pedagogy Requirements:

Test #	Test Name	Cut Score	Effective Date
5624	Principles of Learning and Teaching (7-12 PLT)	157	07/01/2012

Waiver of Pedagogy Test	7-12 PLT
The PLT test may be waived if verification of two or more years of state-certified teaching experience in the grade span of the endorsement is documented.	Experience in a 5-12 grade span

State-Designated Test Requirements:

Test #	Test Name	Cut Score	Effective Date
5906	NOCTI Computer Programming	81.7	05/15/2017

Coursework Requirements:

9 Semester hours of coursework including:
• 1 or more credits in computer programming
• 1 or more credits in database programming
• 1 or more credits in information system analysis

Other Requirements:

4000 Hours of Validated Work Experience in a Related Field within the previous five years		
Computer Support Specialist	Programming Specialist	Database Administrator
Software Developer	Applications Developer	

Assignment Codes:

Code	Assignment Description	Code	Assignment Description
02993	Mathematics – Test Preparation	22110	AP Seminar
10004	Workplace Technology Skills	22151	Career Exploration
10152	Computer Programming I	22152	Employability
10153	Advanced Computer Programming	22250	Exploratory
21009	Robotics	22990	JAG – Middle School
22001	Standardized Test Preparation	22991	JAG – High School
22004	Dropout Prevention	25013	Life Management
22051	Office Aide (By Students)	80018	Youth Internships
22054	Tutoring (By Students)	80019	Senior Experience
22101	Leadership and Service	80026	Entrepreneurship Experience
22104	Service Learning	80020	Youth Apprenticeship
22106	Freshman Seminar	80033	E-Mentor (certified staff)